In the Claims:

Please enter the following amended claim set:

(Original) A method of treating water comprising the steps of:
 exposing water desired to be treated to ozone in sufficient quantity to reduce
a concentration of undesired microorganisms therein; and

flowing the water over a colony of attached algae to remove undesired matter therefrom.

- 2. (Original) The method recited in Claim 1, wherein the water-exposing step comprises the steps of injecting ozone into at least one of a mixing chamber and a body of water, pumping the water to be treated into the mixing chamber, and mixing the water to be treated with the injected ozone.
- 3. (Original) The method recited in Claim 1, further comprising the step, prior to the water-exposing step, of generating ozone by at least one of exposing air to ultraviolet radiation and creating a corona discharge.
- 4. (Original) The method recited in Claim 1, further comprising the step of exposing the water to be treated to at least one of ultraviolet radiation and acoustic energy.
- 5. (Original) The method recited in Claim 1, wherein the water-exposing step comprises pumping the water into a bottom end of a tube, injecting ozone adjacent the bottom end of the tube, and permitting the water and the ozone to mix while rising toward a top end of the tube.

- **6.** (Original) The method recited in Claim 1, further comprising the step of treating the water with ozone following the water-flowing step.
- 7. (Original) The method recited in Claim 1, further comprising the step of passing the water through an activated carbon filter following the water-flowing step.
- **8.** (Previously presented) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of attached algae to remove undesired matter therefrom; and

adding a pesticide to the algal colony for controlling insects, the pesticide selected from a group consisting of an insecticide, a pyrethroid, or a natural pyrethrum.

- 9. (Original) The method recited in Claim 8, further comprising the step of adding a pesticide to the algal colony for controlling insects, the pesticide comprising bacillus therengensus isralioans.
- 10. (Original) The method recited in Claim 9, further comprising the step of culturing bacillus therengensus isralioans, and wherein the pesticide-adding step comprises delivering a substantially continuous supply of bacillus therengensus isralioans to an inlet of the algal colony.
 - (Original) The method recited in Claim 1, further comprising the steps of:

extracting the water to be treated from a body of water prior to the exposing step; and returning the treated water the to body of water following the water-flowing step.

- **12.** (Original) The method recited in Claim 1, wherein the ozone-exposing step comprises covering a body of water and injecting ozone into the body of water.
- 13. (Original) The method recited in Claim 1, wherein the ozone-exposing step comprises:

pumping water out of a body of water into a supply pipe; injecting ozone into the supply pipe; and directing the water to an inlet end of the algal colony.

14. (Previously presented) A method of treating water comprising the steps of:

pumping water out of a body of water into a supply pipe;

injecting ozone at a plurality of injection locations along the supply pipe, the ozone present in sufficient quantity to reduce a concentration of undesired microorganisms therein;

directing the water to an inlet end of a colony of attached algae; and flowing the water over the algal colony to remove undesired matter therefrom.

15. (Original) The method recited in Claim 1, further comprising the step, following the water-flowing step, of repeating the ozone-exposing step and the water-flowing step by recirculating the water emerging from the algal colony.

16. (Previously presented) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of attached algae to remove undesired matter therefrom; and

harvesting the algal colony, adding a pesticide to the harvested algae, exposing the mixed algae and pesticide to sunlight for achieving detoxification, and using the detoxified mixed algae and pesticide to form a base for another algal colony.

- **17.** (Original) The method recited in Claim 16, wherein the pesticide comprises one or more pesticides selected from a group consisting of natural pyrethrum, natural pepper, garlic, elder, and lemon sage.
- **18.** (Previously presented) A method of treating water comprising the steps of:

exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein;

flowing the water over a colony of algae attached to a base, to remove undesired matter therefrom; and

harvesting the algal colony, adding a pesticide to the colony base, and detoxifying the base.

19. (Original) The method recited in Claim 18, wherein the pesticide is selected from a group consisting of a synthetic pyrethroid and a natural pyrethrum.

20. (Original) A system for treating water comprising:

means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom;

a colony of attached algae for removing undesired matter from the ozoneexposed water, and

means for directing the ozone-exposed water from the water-exposing means to the algal colony.

- 21. (Original) The system recited in Claim 20, wherein the water-exposing means comprises a mixing chamber, means for injecting ozone into the mixing chamber, a pump for pumping the water to be treated into the mixing chamber, and a mixer for mixing the water to be treated with the injected ozone.
- **22.** (Original) The system recited in Claim 20, further comprising means for generating ozone comprising at least one of means for exposing air to ultraviolet radiation and means for creating a corona discharge.
- 23. (Original) The system recited in Claim 20, further comprising means for exposing the water to be treated to at least one of ultraviolet radiation and acoustic energy.
- 24. (Original) The system recited in Claim 20, further comprising: a tube having a bottom end and a top end; a pump for pumping the water into the tube bottom end and upward toward the top end;

means for injecting ozone adjacent the tube bottom end of the tube, for permitting the water and the ozone to mix while being pumped toward a top end of the tube.

- **25.** (Original) The system recited in Claim 20, further comprising means for treating the water with ozone downstream of the algal colony.
- **26.** (Original) The system recited in Claim 20, further comprising the step of passing the water through an activated carbon filter following the water-flowing step.
- 27. (Previously presented) A system for treating water comprising:

 means for exposing water desired to be treated to ozone in sufficient quantity
 to reduce a concentration of undesired microorganisms therein and to liberate available
 nutrients therefrom;

a colony of attached algae for removing undesired matter from the ozone-exposed water;

means for directing the ozone-exposed water from the water-exposing means to the algal colony; and

means for adding a pesticide to the algal colony for controlling insects, the pesticide selected from a group consisting of an insecticide, a pyrethroid, a natural pyrethrum, and bacillus therengensus isralioans.

28. (Canceled)

29. (Previously presented) The system recited in Claim 27, wherein the pesticide comprises bacillus therengensus isralioans, further comprising means of culturing

the bacillus therengensus isralioans, and wherein the pesticide-adding means comprises means for delivering a substantially continuous supply of bacillus therengensus isralioans to an inlet of the algal colony.

- 30. (Original) The system recited in Claim 20, further comprising: means for extracting the water to be treated from a body of water; and means for returning the treated water the to body of water downstream of the algal colony.
- **31.** (Original) The system recited in Claim 20, wherein the ozone-exposing means comprises a cover over a body of water and means for injecting ozone into the body of water.
- **32.** (Original) The system recited in Claim 20, wherein the ozone-exposing means comprises:

a supply pipe having an inlet end and an outlet end;

a pump positioned to extract water out of a body of water into the supply pipe inlet end and to pump the extracted water to an inlet end of the aigal colony; and means for injecting ozone into the supply pipe.

- **33.** (Original) The system recited in Claim 20, further comprising means for redirecting water from an outlet end of the algal colony to the ozone-exposing means for recirculating the water emerging from the algal colony.
 - **34.** (Previously presented) A system for treating water comprising:

In re Patent Application of:

KYLE R. JENSEN Serial No. 09/940,977 Filing Date: 8/28/2001

means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom:

a colony of attached algae for removing undesired matter from the ozoneexposed water;

means for directing the ozone-exposed water from the water-exposing means to the algal colony;

means for harvesting the algal colony following exposure to water to be treated: and

means for adding a pesticide to the harvested algae.

- **35**. (Original) The system recited in Claim 34, wherein the pesticide comprises one or more pesticides selected from a group consisting of natural pyrethrum, natural pepper, garlic, elder, and lemon sage.
 - 36. (Previously presented) A system for treating water comprising:

means for exposing water desired to be treated to ozone in sufficient quantity to reduce a concentration of undesired microorganisms therein and to liberate available nutrients therefrom;

a colony of attached algae for removing undesired matter from the ozoneexposed water;

a base to which the algal colony is attached;

means for directing the ozone-exposed water from the water-exposing means to the algal colony;

means for harvesting the algal colony; means for adding a pesticide to the colony base; and

means for detoxifying the base.

- **37.** (Original) The system recited in Claim 36, wherein the pesticide is selected from a group consisting of a synthetic pyrethroid and a natural pyrethrum.
- 38. (New) A method of treating water comprising the steps of:
 exposing water desired to be treated to ozone in sufficient quantity to oxidize nutrients therein to a form amenable to bioassimilation by a colony of attached algae; and flowing the water over a floway comprising attached algae to remove the oxidized nutrients therefrom, the algae experiencing an enhanced photosynthetic activity upon bioassimilation of the oxidized nutrients.
- **39.** (New) The method recited in Claim 38, wherein the nutrients comprise tannic and humic compounds.
 - **40.** (New) A system for treating water comprising:

means for exposing water desired to be treated to ozone in sufficient quantity to oxidize nutrients therein to a form amenable to bioassimilation by a colony of attached algae;

a floway comprising attached algae for removing the oxidized nutrients from the ozone-exposed water, the algae experiencing enhanced photosynthetic activity upon bioassimilation of the oxidized nutrients; and

means for directing the ozone-exposed water from the water-exposing means to the floway.

41. (New) The system recited in Claim 40, wherein the nutrients comprise tannic and humic compounds.